

**Pacific Gas and Electric Company  
2011 Gas Transmission and Storage Rate Case  
Workpapers Supporting Capital Expenditures**

**CAPITAL PROJECT SUMMARY**

Reference: Page 3, Table 2, Line 61

TITLE: L132 South Sf Mp 42.13 - 43.55 Replace  
ORDER NO: 5726804  
PSRS NO. 18036  
MAJOR WORK CATEGORY: MWC - 75  
OPERATIVE DATE: 11/5/2013  
AFUDC ELIGIBLE: YES

**ESCALATED FINANCIAL EXPENDITURES  
(\$000)**

	2009	2010	2011	2012	2013	2014
Total Expenditures:				\$200	\$4,600	\$200

**DESCRIPTION**

This project is to replace 7481 feet (Installed in 1948), likely with 24" pipe.

**JUSTIFICATION**

Line 132 (1948 pipe) MP 42.13 to 43.55 is HCA pipe that ranks in the top 100 highest risk line sections in the 2007 Risk Calc due to a total risk of 2095. This is driven by relatively high risk and likelihood of failure for all parts of the likelihood of failure and risk calculations. The pipe is 30" diameter pipe, has a potential impact radius of 415 feet and is located in a heavily urbanized area. If the replacement of this pipe does not occur, risks associated with this segment will not be reduced. Coupled with the consequences of failure of this section of pipeline, the likelihood of a failure makes the risk of a failure at this location unacceptably high.

\$668/ft